Author Index

ABRAHAM D., WEINER D.J. & FARRELL J.P. Protective immune responses of the jird to larval *Dipetalonema viteae*, 165
ABRAHAM G.N. *see* MOYNIHAN J.A.
ABRIGNANI S. *see* COLONNA ROMANO G.
ALLAN J.E. *see* DOHERTY P.C.
ALMOND N.M. *see* GRACE S.
ANDO I. *see* O'FLYNN K.
ANGADI C.V. *see* GODFREY H.P.

BAKER P.E. *see* PICHA K.S.
BAKOUCHE O. & GERLIER D. Presentation of an MuLV-related tumour antigen in liposomes as a potent tertiary immunogen after adoptive transfer, 219
BARGELLESI A. *see* COSULICH M.E.
BARKER S. *see* ROOK G.A.W.
BARR P.J. *see* CARTER J.
BAUDOUIN B. *see* PICARD C.
BAYNE C.J. *see* BOSWELL C.A.
BEFUS A.D. *see* SHANAHAN F.
BENZIE C.R. *see* KAY J.E.
BERSANI L. *see* COLOTTA F.
BERTOVICH M.J. *see* MACDERMOTT R.P.
BEVERLEY P.C.L. *see* O'FLYNN K.
BEYA M.-F., MIYASAKA M., DUDLER L., EZAKI T. & TRNKA Z. Studies on the differentiation of T lymphocytes in sheep. II. Two monoclonal antibodies that recognize all ovine T lymphocytes, 115
BIENENSTOCK J. *see* MCDERMOTT M.R.
BIENENSTOCK J. *see* SHANAHAN F.
BINAGHI R.A. *see* LABETA M.O.
BINAGHI R.A. *see* LECLERC M.
BIRD P. *see* WALKER M.R.
BLOCH K.J. *see* HARMATZ P.R.
BOCTOR F.N. & SHAHEEN H.I. Immunoaffinity fractionation of *Schistosoma mansoni* worm antigens using human antibodies and its application for serodiagnosis, 587
BONNEVILLE M. *see* VIE H.
BORREBAECK C.A.K. *see* MÖLLER S.A.
BORTH W. & TEODORESCU M. Inactivation of human interleukin-2 (IL-2) by α_2-macroglobulin–trypsin complexes, 367
BOSWELL C.A. & BAYNE C.J. Lectin-dependent cell-mediated cytotoxicity in an invertebrate model: Con A does not act as a bridge, 261
BOYLE W. *see* NASH A.D.
BOYLSTON A.W. *see* O'FLYNN K.
BRADLEY L.M., SHIIGI S.M. & MALLEY A. Anti-I-J alloantisera elicited by immunization of B10.A(3R) (I-J^a) mice with bone marrow-derived macrophages from B10.A(5R) (I-J^a) mice, 443
BRAGDON M.J. *see* MACDERMOTT R.P.
BRILLOUET C. *see* LECLERC M.
BROCK J.H., MAINOU-FOWLER T. & WEBSTER L.M. Evidence that transferrin may function exclusively as an iron donor in promoting lymphocyte proliferation, 105
BROOKS W.H. *see* CROSS R.J.
BRUCE M.G. & FERGUSON A. Oral tolerance to ovalbumin in mice: studies of chemically modified and 'biologically filtered' antigen, 627
VAN DER BRUGGE-GAMELKOORN G.J., CLAASSEN E. & SMINIA T. Anti-TNP-forming cells in bronchus-associated lymphoid tissue (BALT) and paratracheal lymph node (PTLN) of the rat after intratracheal priming and boosting with TNP–KLH, 405
BRYANT A. *see* KNIGHT S.C.
BURGER R. *see* SCHROD L.
BURMAN S. *see* KNIGHT S.C.

CALKINS C.E. *see* ROTHERMEL A.L.
CANONICA G.W. *see* COSULICH M.E.
CARTER J., MAGNUSON N.S., DAVIS W.C., MASON P.H., MAGNUSON J.A., TALMADGE J.E. & BARR P.J. Development and maintenance of bovine cytotoxic lymphocytes with recombinant human interleukin-2, 123
CASSELL G.H. *see* SIMECKA J.W.
CHAMBERS J.D. *see* WILLIAMSON S.A.
CHAMPION B.R. *see* VAREY A.-M.
CHANDLER P. *see* SIMPSON E.
CHEN-WOAN M., MCGREGOR D.D., HARRIS W.V. & GREINER D.L. Monoclonal antibody analysis of *Listeria monocytogenes*-induced cytotoxic lymphocytes, 505
CHRISTENSEN P. *see* SCHRÖDER A.K.
CLAASSEN E., KORS N., DIJKSTRA C.D. & VAN ROOIJEN N. Marginal zone of the spleen and the development and localization of specific antibody-forming cells against thymus-dependent and thymus-independent type-2 antigens, 399
CLAASSEN E. *see* VAN DER BRUGGE-GAMELKOORN G.J.
CLARK D.A. *see* MCDERMOTT M.R.
CLARKE J. *see* KNIGHT S.C.
COLIGAN J.E. *see* LEW A.M.
COLIZZI V. *see* COLONNA ROMANO G.
COLONNA ROMANO G., DIELI F., ABRIGNANI S., SALERNO A. & COLIZZI V. Inhibition of lymphocyte mitogenesis in mice infected with Newcastle disease virus: viral interference with the interleukin system, 373
COLOTTA F., BERSANI L., POLENTARUTTI N. & MANTOVANI A. Rapid killing of actinomycin D-treated tumour cells by mononuclear phagocytes: reactivity in mouse strains with defective classical tumour cytotoxicity, 249
COOKE A. *see* VAREY A.-M.
COSULICH M.E., RISSO A., CANONICA G.W. & BARGELLESI A. Functional characterization of a regulatory human T-cell subpopulation increasing during autologous MLR, 265
COUTNEY R.J. *see* LATHEY J.L.
COWAN E.P. *see* LEW A.M.
COX D.A., DIXON J.B. & MARSHALL-CLARKE S. Transformation induced by *Echinococcus granulosus* protoscoleces in unprimed murine spleen cells: identity and MHC restriction of participating cell types, 461
CRAPPER R.M. & SCHRADER J.W. Evidence for the *in vivo* production and release into the serum of a T-cell lymphokine, persisting-cell stimulating factor (PSF), during graft-versus-host reactions, 553
CROSS R.J., JACKSON J.C., BROOKS W.H., SPARKS D.L., MARKESBERY W.R. & ROSZMAN T.L. Neuroimmunomodulation: impairment of humoral immune responsiveness by 6-hydroxydopamine treatment, 145

DANIELSSON L. *see* MÖLLER S.A.
DAVID B. *see* DEMEULEMESTER C.
DAVIS J.K. *see* SIMECKA J.W.
DAVIS W.C. *see* CARTER J.
DEMEULEMESTER C., WEYER A., PELTRE G., LAURENT M., MARCHAND F. & DAVID B. Thermoinactivation of human IgE: antigenic and functional modifications, 617
DENBURG J.A. *see* SHANAHAN F.
DEWAR A.E. *see* GUY K.
DIELI F. *see* COLONNA ROMANO G.
DIJKSTRA C.D. *see* CLAASSEN E.
DIXON J.B. *see* COX D.A.
DOHERTY P.C. & ALLAN J.E. Hybrid resistance modulates the inflam-

matory process induced by lymphocytic choriomeningitis virus-immune T cells, 515
DRAY S. *see* GANEA D.
DUDLER L. *see* BEYA M.-F.
DUNKLEY M.L. & HUSBAND A.J. The induction and migration of antigen-specific helper cells for IgA responses in the intestine, 379

EDWARDS A.J. *see* KNIGHT S.C.
EGIDO J. *see* SANCHO J.
EL-SAIED M. *see* ROZENSZAJN L.A.
ELSON C.J. *see* GRACE S.
EMOTO M. *see* KITA E.
ERBER W.N. *see* PULFORD K.
ERICKSON K.L. *see* THOMAS I.K.
ESDAILE J. *see* MORENO C.
ESHHAR Z. *see* FIRER Z.
ESPEVIK T., KILDAHL-ANDERSEN O. & NISSEN-MEYER J. The role of monocyte cytotoxic factor in monocyte-mediated lysis of tumour cells, 255
EZAKI T. *see* BEYA M.-F.

FALINI B. *see* PULFORD K.
FARKAS R., MANOR Y. & KLAJMAN A. Generation of B suppressor cells by phytohaemagglutinin, 395
FARRANT J. *see* KNIGHT S.C.
FARRELL J.P. *see* ABRAHAM D.
FELDMANN M. *see* LAMB J.R.
FERGUSON A. *see* BRUCE M.G.
FIRER M.A. & ESHHAR Z. Induction of Fc, receptors on normal murine T cells and IgE binding factor(s) by cross-linked IgE or IgE-pulsed adherent cells, 337
FONTENEAU P. *see* MOSBACH-OZMEN L.
FOREMAN J.C. *see* HEALICON R.M.
FRAHER L. *see* ROOK G.A.W.
FUKAMI H. *see* NAMIKAWA R.

GANEA D., TEODORESCU M. & DRAY S. A low molecular weight proteinase inhibitor produced by T lymphocytes, 85
GATTER K.C. *see* PULFORD K.
GAULDIE J. *see* MITCHELL L.A.
GENITEAU LEGENDRE M. *see* PICARD C.
GERLIER D. *see* BAKOUCHE O.
GERY I. *see* ROZENSZAJN L.A.
GODFREY H.P., ANGADI C.V., HAAK-FRENDSCHO M. & KAPLAN A.P. Concurrent production of macrophage agglutination factor and factor VII by antigen-stimulated human peripheral blood mononuclear cells, 77
GOODALL D.M. *see* WALKER M.R.
GONZALEZ E. *see* SANCHO J.
GORDON J., GUY G. & WALKER L. Autocrine models of B-lymphocyte growth. II. Interleukin-1 supports the proliferation of transformed lymphoblasts but not the stimulation of resting B cells triggered through their receptors for antigen, 419
GRACE S., DE VILLIERS D.M., ALMOND N.M. & ELSON C.J. Relationship between non-antigen-specific immunodepression and persisting immune complexes induced by pertussis in mice, 621
GREEN N. *see* LAMB J.R.
GREINER D.L. *see* CHEN-WOAN M.
GUY G. *see* GORDON J.
GUY K., MEEHAN R.R., DEWAR A.E. & LARHAMMAR D. Expression of MHC class II antigens in human B-cell leukaemia, and increased levels of class II antigens and DR-specific mRNA after stimulation with 12-0-tetradecanoyl phorbol-13-acetate, 181

HAAK-FRENDSCHO M. *see* GODFREY H.P.
HALL J.G. Sulphated polysaccharides, corticosteroids and lymphocyte recirculation, 275
HALLIDAY W.J. *see* HARRIOTT-SMITH T.G.
HALLIDAY W.J. *see* KUCHROO V.K.
HARMATZ P.R., BLOCH K.J., KLEINMAN R.E., WALSH M.K. & WALKER W.A. Influence of circulating maternal antibody on the transfer of dietary antigen to neonatal mice via milk, 43
HARRIOTT-SMITH T.G. & HALLIDAY W.J. Circulating suppressor factors in mice subjected to ultraviolet irradiation and contact sensitization, 207
HARRIS W.V. *see* CHEN-WOAN M.
HARRISON J. *see* MARSHALL-CLARKE S.
HEALICON R.M. & FOREMAN J.C. Characteristics of histamine release from rat mast cells in relation to the valency of the stimulating ligand, 611
HEATH T.D. *see* SHEK P.N.
HOGG H. *see* SIMPSON E.
HOLMDAHL R. *see* SCHEYNIUS A.
HORSEWOOD P. *see* MCDERMOTT M.R.
HOSOI J. *see* MUKAIDA N.
HOWIE S.E.M., NORVAL M. & MAINGAY J.P. Alterations in epidermal handling of HSV-1 antigens *in vitro* induced by *in vivo* exposure to UV-B light, 225
HUMEZ S. *see* MOSBACH-OZMEN L.
HUNT R. *see* SIMPSON E.
HUSBAND A.J. *see* DUNKLEY M.L.

ISOJIMA S. *see* KYURKCHIEV S.D.
ITOH G. *see* NAMIKAWA R.

JACKSON J.C. *see* CROSS R.J.
JEFFERIS R. *see* WALKER M.R.
JOSE D.G. *see* DE KRETSER T.A.

KALLAND T. Generation of natural killer cells from bone marrow precursors *in vitro*, 493
KAPLAN A.P. *see* GODFREY H.P
KARMALI R. *see* ROOK G.A.W.
KASAHARA T. *see* MUKAIDA N.
KASHIBA S. *see* KITA E.
KATSUI N. *see* KITA E.
KAWAI T. *see* MUKAIDA N.
KAY J.E. & BENZIE C.R. Lymphocyte activation by OKT3: cyclosporine sensitivity and synergism with phorbol ester, 195
KILDAHL-ANDERSEN O. *see* ESPEVIK T.
KITA E., EMOTO M., YASUI KOICHI, YASUI KIYOSHI, KATSUI N., NISHI K. & KASHIBA S. Cellular aspects of the longer-lasting immunity against mouse typhoid infection afforded by the live-cell and ribosomal vaccines, 431
KLAJMAN A. see FARKAS R.
KLARESKOG L. *see* SCHEYNIUS A.
KLEIN L. *see* OWEN J.A.
KLEINMAN R.E. *see* HARMATZ P.R.
KLINE C.J. *see* OWEN J.A.
KNIGHT R.A. *see* WILLIAMSON S.A.
KNIGHT S.C., FARRANT J., BRYANT A., EDWARDS A.J., BURMAN S., LEVER A., CLARKE J. & WEBSTER A.D.B. Non-adherent, low-density cells from human peripheral blood contain dendritic cells and monocytes, both with veiled morphology, 595
KOPONEN M. *see* MOSBACH-OZMEN L.
KOPPENHEFFER T.L. & RUSSELL B.A. Unusual complement activation properties of serum immunoglobulins of the pigeon *Columba livia*, 473
KORS N. *see* CLAASSEN E.
KOYAMA K. *see* KYURKCHIEV S.D.
DE KRETSER T.A., LEE G.T.H., THORNE H.J. & JOSE D.G. Monoclonal antibody CI-panHu defines a pan-human cell-surface antigen unique to higher primates, 579
KROESE F.G.M., WUBBENA A.S. & NIEUWENHUIS P. Germinal centre formation and follicular antigen trapping in the spleen of lethally X-irradiated and reconstituted rats, 99
KUCHROO V.K. & HALLIDAY W.J. Cellular requirements for the suppression of leucocyte adherence inhibition reactions by serum factors from tumour-bearing mice, 545
KUWABARA T. *see* ROZENSZAJN L.A.
KYURKCHIEV S.D., SHIGETA M., KOYAMA K. & ISOJIMA S. A human–mouse hybridoma producing monoclonal antibody against human sperm coating antigen, 489

LABETA M.O., MARGNI R.A., LEONI J. & BINAGHI R.A. Structure of asymmetric non-precipitating antibody: presence of a carbohydrate residue in only one Fab region of the molecule, 311

LAMB J.R., FELDMANN M., GREEN N. & LERNER R.A. Influence of antigen structure on the activation and induction of unresponsiveness in cloned human T lymphocytes, 331
LAMMIE P.J. *see* LINETTE G.P.
LANDO Z. *see* ROZENSZAJN L.A.
LARHAMMAR D. *see* GUY K.
LARSSON P. *see* SCHEYNIUS A.
LATHEY J.L., ROUSE B.T., WILEY D.E. & COURTNEY R.J. Production and characterization of an anti-idiotypic antibody specific for a monoclonal antibody to glycoprotein D of herpes simplex virus, 29
LAURENT M. *see* DEMEULEMESTER C.
LECETA J. & ZAPATA A. Seasonal variations in the immune response of the tortoise *Mauremys caspica*, 483
LECLERC M., BRILLOUET C., LUQUET G. & BINAGHI R.A. Production of an antibody-like factor in the sea star *Asterias rubens*: involvement of at least three cellular populations, 479
LEE G.T.H. *see* DE KRETSER T.A.
LEE T.D.G. *see* SHANAHAN F.
LEONI J. *see* LABETA M.O.
LERNER R.A. *see* LAMB J.R.
LEUSCH M.S. *see* MACDERMOTT R.P.
LEVER A. *see* KNIGHT S.C.
LEW A.M., LILLEHOJ E.P., COWAN E.P., MALOY W.L., VAN SCHRAVENDIJK M.R. & COLIGAN J.E. Class I genes and molecules: an update, 3
LIFELY M.R. *see* MORENO C.
LILLEHOJ E.P. *see* LEW A.M.
LINCH D.C. *see* O'FLYNN K.
LINETTE G.P., LAMMIE P.J. & PHILLIPS S.M. Allogeneic substitution for nominal antigen-specific T-cell clone reactivity in schistosomiasis, 567
LOONEY R.J. *see* MOYNIHAN J.A.
LOOR F. *see* MOSBACH-OZMEN L.
LOPEZ N.Z. *see* SHEK P.N.
LUQUET G. *see* LECLERC M.

MACDERMOTT R.P., BERTOVICH M.J., BRAGDON M.J., NASH G.S., LEUSCH M.S. & WEDNER H.J. Inhibition of cell-mediated cytotoxicity by 2-cyclohexene-1-one: evidence for a role for glutathione and/or glutathione–protein interactions in cytolysis, 521
MCDERMOTT M.R., HORSEWOOD P., CLARK D.A. & BIENENSTOCK J. T lymphocytes in the intestinal epithelium and lamina propria of mice, 213
MACDONALD S.M. *see* PULFORD K.
MCGREGOR D.D. *see* CHEN-WOAN M.
MCINTOSH L.C., MORRICE L.M., UDAGAWA Y. & THOMSON A.W. Influence of tumour carriage on the production of lymphokines affecting macrophage behaviour, 359
MCLAREN A. *see* SIMPSON E.
MAGNUSON J.A. *see* CARTER J.
MAGNUSON N.S. *see* CARTER J.
MAINGAY J.P. *see* HOWIE S.E.M.
MAINOU-FOWLER T. *see* BROCK J.H.
MAKKER S.P. *see* SINGH A.K.
MALLEY A. *see* BRADLEY L.M.
MALOY W.L. *see* LEW A.M.
MANNIK M. *see* SCHRÖDER A.K.
MANOR Y. *see* FARKAS R.
MANTOVANI A. *see* COLOTTA F.
MARCHAND F. *see* DEMEULEMESTER C.
MARGNI R.A. *see* LABETA M.O.
MARKESBERY W.R. *see* CROSS R.J.
MARSHALL-CLARKE S., HARRISON J. & PARKHOUSE R.M. Dissociation of murine B-cell proliferation and differentiation by monoclonal antibody, NIM R2, 189
MARSHALL-CLARKE S. *see* COX D.A.
MASON D.W. *see* ROBINSON A.P.
MASON D.Y. *see* PULFORD K.
MASON P.H. *see* CARTER J.
MATSUOKA H. *see* NAMIKAWA R.
MATSUYAMA M. *see* NAMIKAWA R.
MEEHAN R.R. *see* GUY K.
MITCHELL L.A. & PEARSON T.W. Antibody responses in resistant and susceptible inbred mice infected with *Trypanosoma congolense*, 297
MITCHELL L.A., PEARSON T.W. & GAULDIE J. Interleukin-1 and interleukin-2 production in resistant and susceptible inbred mice infected with *Trypanosoma congolense*, 291
MIYASAKA M. *see* BEYA M.-F.
MIZUNO T. *see* NAMIKAWA R.
MOCHIZUKI M. *see* ROZENSZAJN L.A.
MÖLLER S.A., DANIELSSON L. & BORREBAECK C.A.K. Concanavalin A-induced B-cell proliferation mediated by allogeneically derived helper factors, 387
MOREAU J.-F. *see* VIE H.
MORENO C., ESDAILE J. & LIFELY M.R. Thymic-dependence and immune memory in mice vaccinated with meningococcal polysaccharide group B complexed to outer membrane protein, 425
MORRICE L.M. *see* MCINTOSH L.C.
MOSBACH-OZMEN L., HUMEZ S., KOPONEN M., FONTENEAU P. & LOOR F. Cyclosporine facilitates B-cell membrane immunoglobulin capping, 573
MOULLIER P. *see* PICARD C.
MOYNIHAN J.A., LOONEY R.J. & ABRAHAM G.N. The V_k IIIb light chain sub-subgroup. II. Isotype expression in acquired hypogammaglobulinaemia and as a function of age, 325
MUELLENBERG-COULOMBRE C. *see* ROZENSZAJN L.A.
MUKAIDA N., KASAHARA T., HOSOI J., SHIOIRI-NAKANO K. & KAWAI T. Effects of anti-Tac antibody on the response of large granular lymphocytes to interleukin-2, 137

NAIR P.N.R. & SCHROEDER H.E. Duct-associated lymphoid tissue (DALT) of minor salivary glands and mucosal immunity, 171
NAKASHIMA S. Isoelectric focusing spectra of anti-bacterial α-amylase antibody unique for antigen-induced suppression, 319
NAMIKAWA R., MIZUNO T., MATSUOKA H., FUKAMI H., UEDA R., ITOH G., MATSUYAMA M. & TAKAHASHI T. Ontogenic development of T and B cells and non-lymphoid cells in the white pulp of human spleen, 61
NARDELLA F.A. *see* SCHRÖDER A.K.
NASH A.D. & BOYLE W. Depletion by monolayer binding of specific precursors of antibody-forming cells directed against cellular antigens, 411
NASH G.S. *see* MACDERMOTT R.P.
NIEUWENHUIS P. *see* KROESE F.G.M.
NISHI K. *see* KITA E.
NISSEN-MEYER J. *see* ESPEVIK T.
NORVAL M. *see* HOWIE S.E.M.
NUSSENBLATT R.B. *see* ROZENSZAJN L.A.

O'FLYNN K., RUSSUL-SAIB M., ANDO I., WALLACE D.L., BEVERLEY P.C.L., BOYLSTON A.W. & LINCH D.C. Different pathways of human T-cell activation revealed by PHA-P and PHA-M, 55
O'RIORDAN J. *see* ROOK G.A.W.
OWEN J.A., SCINTO L.A.F., KLEIN L. & KLINE C.J. Cytotoxic T lymphocytes discriminate between isomeric forms of the same hapten, 499

PARISH N. *see* WILLIAMSON S.A.
PELTRE G. *see* DEMEULEMESTER C.
PHILLIPS S.M. *see* LINETTE G.P.
PUKLAVEC M. *see* ROBINSON A.P.
PARKHOUSE R.M. *see* MARSHALL-CLARKE S.
PEARSON T.W. *see* MITCHELL L.A.
PERI B.A. & ROTHBERG R.M. Transmission of maternal antibody prenatally and from milk into serum of neonatal rabbits, 49
PICARD C., RONCO P., MOULLIER P., YAO J., BAUDOUIN B., GENITEAU LEGENDRE M. & VERROUST P. Epitope diversity of angiotensin II analysed with monoclonal antibodies, 19
PICHA K.S. & BAKER P.E. Bovine T lymphocytes. I. Generation and maintenance of an interleukin-2-dependent, cytotoxic T-lymphocyte cell line, 131
POLENTARUTTI N. *see* COLOTTA F.
PULFORD K., RALFKIAER E., MACDONALD S.M., ERBER W.N., FALINI B., GATTER K.C. & MASON D.Y. A new monoclonal antibody (KB61) recognizing a novel antigen which is selectively expressed on a subpopulation of human B lymphocytes, 71

RALFKIAER E. *see* PULFORD K.
RISSO A. *see* COSULICH M.E.

ROBINSON A.P., PUKLAVEC M. & MASON D.W. MRC OX-52: a rat T-cell antigen, 527
ROBINSON A.P., WHITE T.M. & MASON D.W. MRC OX-43: a monoclonal antibody which reacts with all vascular endothelium in the rat except that of brain capillaries, 231
ROBINSON A.P., WHITE T.M. & MASON D.W. Macrophage heterogeneity in the rat as delineated by two monoclonal antibodies MHC OX-41 and MHC OX-42, the latter recognizing complement receptor type 3, 239
RONCO P. *see* PICARD C.
VAN ROOIJEN N. *see* CLAASSEN E.
ROOK G.A.W., STEELE J., FRAHER L., BARKER S., KARMALI R., O'RIORDAN J. & STANFORD J. Vitamin D_3, gamma interferon, and control of proliferation of *Mycobacterium tuberculosis* by human monocytes, 159
ROSZMAN T.L. *see* CROSS R.J.
ROTHBERG R.M. *see* PERI B.A.
ROTHERMEL A.L. & CALKINS C.E. Rapid loss of feedback suppressor T-cell activity after priming *in vivo*, 539
ROUSE B.T. *see* LATHEY J.L.
ROZENSZAJN L.A., MUELLENBERG-COULOMBRE C., GERY I., EL-SAIED M., KUWABARA T., MOCHIZUKI M., LANDO Z. & NUSSENBLATT R.B. Induction of experimental autoimmune uveoretinitis by T-cell lines, 559
RUSSELL B.A. *see* KOPPENHEFFER T.L.
RUSSUL-SAIB M. *see* O'FLYNN K.

SALERNO A. *see* COLONNA ROMANO G.
SANCHO J., GONZALEZ E. & EGIDO J. The importance of the Fc receptors for IgA in the recognition of IgA by mouse liver cells: its comparison with the carbohydrate and secretory component receptors, 37
SCHAEFER H. *see* SCHROD L.
SCHEYNIUS A., KLARESKOG L., HOLMDAHL R. & LARSSON P. Induction of Thy-1 antigen on murine keratinocytes, 451
SCHRADER J.W. *see* CRAPPER R.M.
VAN SCHRAVENDIJK M.R. *see* LEW A.M.
SCHROD L., SCHAEFER H. & BURGER R. Characterization of a T-lymphocyte membrane protein involved in T-cell function: its contribution to T-cell recognition or cellular interaction, 533
SCHRÖDER A.K., NARDELLA F.A., MANNIK M., SVENSSON M.-L. & CHRISTENSEN P. Interaction between streptococcal IgG Fc receptors and human and rabbit IgG domains, 305
SCHROEDER H.E. *see* NAIR P.N.R.
SCINTO L.A.F. *see* OWEN J.A.
SHAHEEN H.I. *see* BOCTOR F.N.
SHANAHAN F., LEE T.D.G., DENBURG J.A., BIENENSTOCK J. & BEFUS A.D. Functional characterization of mast cells generated *in vitro* from the mesenteric lymph node of rats infected with *Nippostrongylus brasiliensis*, 455
SHEK P.N., LOPEZ N.G. & HEATH T.D. Immune response mediated by liposome-associated protein antigens. IV. Modulation of antibody formation by vesicle-encapsulated methotrexate, 153
SHIGETA M. *see* KYURKCHIEV S.D.
SHIIGI S.M. *see* BRADLEY L.M.
SHIOIRI-NAKANO K. *see* MUKAIDA N.
SIMECKA J.W., DAVIS J.K. & CASSELL G.H. Distribution of Ia antigens and T lymphocyte subpopulations in rat lungs, 93
SIMPSON E., CHANDLER P., HUNT R., HOGG H., TOMONARI K. & MCLAREN A. H-Y status of X/X *Sxr'* male mice: *in vivo* tests, 345
SINGH A.K. & MAKKER S.P. Circulatory antigens of Heymann nephritis. I. Identification and partial characterization, 467
SMINIA T. *see* VAN DER BRUGGE-GAMELKOORN G.J.
SOMEYA A. A novel rat monoclonal antibody reactive with murine tumoricidal Kupffer cells and activated peritoneal macrophages from BCG-infected mice, 605
SONDERMEYER P. *see* VIE H.
SOULILLOU J.-P. *see* VIE H.
SPARKS D.L. *see* CROSS R.J.
STANFORD J. *see* ROOK G.A.W.
STEELE J. *see* ROOK G.A.W.
SVENSSON M.-L. *see* SCHRÖDER A.K.

TAKAHASHI T. *see* NAMIKAWA R.
TALMADGE J.E. *see* CARTER J.
TEODORESCU M. *see* BORTH W.
TEODORESCU M. *see* GANEA D.
THOMAS I.K. & ERICKSON K.L. Gestational immunosuppression is mediated by specific Lyt 2^+ T cells, 201
THOMSON A.W. *see* MCINTOSH L.C.
THORNE H.J. *see* DE KRETSER T.A.
TOMONARI K. *see* SIMPSON E.
TRNKA Z. *see* BEYA M.-F.

UDAGAWA Y. *see* MCINTOSH L.C.
UEDA R. *see* NAMIKAWA R.
ULAETO D.O. *see* WALKER M.R.

VAREY A.-M., CHAMPION B.R. & COOKE A. Cyclosporine affects the function of antigen-presenting cells, 111
VARTDAL F. *see* WALKER M.R.
VERROUST P. *see* PICARD C.
VIE H., BONNEVILLE M., SONDERMEYER P., MOREAU J.-F. & SOULILLOU J.-P. Limiting dilution analysis (LDA) of cells responding to recombinant interleukin-2 without previous stimulation: evidence that all responding cells are lymphokine-activated potent effectors, 351
DE VILLIERS D.M. *see* GRACE S.

WALKER L. *see* GORDON J.
WALKER M.R., BIRD P., ULAETO D.O., VARTDAL F., GOODALL D.M. & JEFFERIS R. Immunogenic and antigenic epitopes of immunoglobulins. XIV. Antigenic variants of IgG4 proteins revealed with monoclonal antibodies, 25
WALKER W.A. *see* HARMATZ P.R.
WALLACE D.L. *see* O'FLYNN K.
WALSH M.K. *see* HARMATZ P.R.
WEBSTER A.D.B. *see* KNIGHT S.C.
WEBSTER L.M. *see* BROCK J.H.
WEDNER H.J. *see* MACDERMOTT R.P.
WEINER D.J. *see* ABRAHAM D.
WEYER A. *see* DEMEULEMESTER C.
WHITE T.M. *see* ROBINSON A.P.
WILEY D.E. *see* LATHEY J.L.
WILKINSON P.C. The locomoter capacity of human lymphocytes and its enhancement by cell growth, 281
WILLIAMSON S.A., PARISH N., CHAMBERS J.D. & KNIGHT R.A. Human immune responses to herpes simplex virus, varicella-zoster and cytomegalovirus *in vitro*, 437
WUBBENA A.S. *see* KROESE F.G.M.

YAO J. *see* PICARD C.
YASUI KIYOSHI *see* KITA E.
YASUI KOICHI *see* KITA E.

ZAPATA A. *see* LECETA J.

Subject Index

Alloantisera:
  specific for I-J determinants, 443
Angiotensin II:
  epitope diversity analysed by monoclonal antibodies, 19
Antibody-forming cell precursors:
  depletion by monolayer binding, 411
Antigen-induced suppression:
  anti-bacterial α-amylase antibody, 319
Antigen-presenting cells:
  effect of cyclosporine, 111
Anti-idiotypic antibody:
  specific for a monoclonal antibody to glycoprotein D of HSV, 29
Anti-I-J alloantisera specific for I-J determinants on macrophages, 443
Autocrine models of B-cell growth, 419
Autoimmune retinitis:
  induction by T-cell lines, 559

B-cell proliferation:
  mediated by allogeneic helper factors, 387
B-cell proliferation and differentiation:
  dissociated by monoclonal antibody, 189
B-lymphocyte growth:
  autocrine models, 419
Bronchus-associated lymphoid tissue:
  antibody-forming cells, after intratracheal priming, 405
B-suppressor cells:
  generation by phytohaemagglutinin, 395

Capping:
  B-cell membrane Ig, facilitated by cyclosporine, 573
Cell-mediated cytotoxicity:
  inhibition by 2-cyclohexene-l-one, 521
Chronic lymphocytic leukaemia:
  expression of MHC class II antigens, 181
Class I genes and molecules, 3
Complement activation:
  by pigeon immunoglobulins, 473
Cyclosporine:
  effect on function of antigen-presenting cells, 111
  facilitates B-cell membrane Ig capping, 573
Cytotoxic lymphocytes, bovine:
  development and maintenance with recombinant human IL-2, 123
  IL-2-dependent line, 131
Cytotoxic lymphocytes induced by *Listeria*:
  analysis by monoclonal antibodies, 505
Cytotoxic T lymphocytes:
  fluorescein-specific, 499

Dendritic cells and monocytes:
  in non-adherent low-density cells from human blood, 595
Dietary antigen, transfer via milk:
  effect of circulating maternal antibody, 43
Dipetalonema vitae:
  protective immune response of the jird, 165
Duct-associated lymphoid tissue (DALT) of minor salivary glands, 171

Echinococcus granulosus:
  transformation induced by, 461

Epitope diversity:
  of angiotensin II analysed by monoclonal antibodies, 19

Fc receptor for IgA:
  comparison with carbohydrate and secretory component receptors, 37
Fc_ε receptors:
  induction by cross-linked IgE or IgE-pulsed adherent cells, 337

Germinal centre formation and follicular antigen trapping in spleen, 99
Gestational immunosuppression:
  mediated by Lyt 2^+ T cells, 201

Helper cells:
  antigen-specific, for intestinal IgA responses, 379
Helper factors:
  allogeneic, mediation of B-cell proliferation, 387
Herpes viruses:
  human *in vitro* immune responses, 437
Heymann nephritis:
  identification and partial characterization of circulatory antigens, 467
Histamine release and stimulus valency, 611
Human B lymphocytes:
  novel antigen recognized by a monoclonal antibody, 71
Human lymphocytes:
  locomotor capacity, 281
Human monocytes:
  control of proliferation of *M. tuberculosis*, 159
Human T-cell activation:
  different pathways of, 55
H-Y antigen in X/X *Sxr'* male mice, 345
Hybrid histocompatibility:
  and LCM virus-immune T cells, 515
6-Hydroxydopamine:
  impairment of humoral immunity, 145

Ia antigens:
  distribution in rat lungs, 93
IgA responses:
  intestinal, induction and migration of antigen-specific helper cells, 379
IgE:
  human, thermoinactivation, 617
IgE binding factor:
  induction by cross-linked IgE or IgE-pulsed adherent cells, 337
IgG4 immunoglobulins:
  antigenic variants revealed with monoclonal antibodies, 25
IL-2:
  recombinant, analysis of cells responding to, 351
Immune complexes:
  persisting, and immunodepression, 621
Immune response, in tortoises:
  seasonal variation, 483
Immunodepression:
  and persisting immune complexes, 621
Immunoglobulins:
  pigeon, complement activation, 473

Interleukin system:
and the Newcastle disease virus infection, 373
Interleukin-2:
human, inactivation by α_2-macroglobulin–trypsin complexes, 367

Large granular lymphocytes:
effect of anti-Tac antibody on response to IL-2, 137
Lectin-dependent cell-mediated cytotoxicity:
in an invertebrate, 261
Leucocyte adherence inhibition:
cellular requirements for suppression of, 545
Liposome-associated protein antigen:
immune response mediated by, 153
Liposomes:
as tertiary immunogen in adoptive transfer, 219
Locomotor capacity:
of human lymphocytes, 281
Lymphocyte activation:
by OKT3, 195
Lymphocyte choriomeningitis virus:
and hybrid histocompatibility, 515
Lymphocyte proliferation:
function of transferrin as an iron donor, 105
Lymphocyte recirculation:
sulphated polysaccharides and corticosteroids, 275
Lymphokines:
effect of tumours on production, 359

α_2-Macroglobulin–trypsin complexes:
inactivation of human IL-2, 367
Macrophage agglutination factors and factor VII:
concurrent production by antigen-stimulated PBM cells, 77
Macrophage heterogeneity:
delineation of monoclonal antibodies, 239
Marginal zone:
of spleen, and specific antibody-forming cells, 399
Mast cells:
functional characteristics, from *Nippostrongylus brasiliensis*-infected rats, 455
Maternal antibody:
prenatal and milk transmission into serum of neonates, 49
Meningococcal polysaccharide group B:
thymic dependence and immune memory, 425
MHC class I genes and molecules, 3
MHC class II antigens:
in leukaemia, 181
MHC restriction:
of transformation induced by *Echinococcus*, 461
Monoclonal antibody:
against human sperm coating antigen, 489
delineation of macrophage heterogeneity, 239
dissociation of B-cell proliferation and differentiation, 189
reacting with vascular endothelium, 231
reactive with tumoricidal Kupffer cells and activated macrophages, 605
recognizing all ovine T lymphocytes, 115
to pan-human cell-surface antigen, 579
Monocyte cytotoxic factor:
in monocyte-mediated tumour cell lysis, 255
Mononuclear phagocytes:
killing of actinomycin D-treated tumour cells, 249
Mucosal immunity:
duct-associated lymphoid tissue of minor salivary glands, 171
Mycobacterium tuberculosis:
vitamin D_3, gamma interferon and control of proliferation, 159

Natural killer cells:
generation from bone marrow precursors *in vitro*, 493
Neuroimmunomodulation:
impairment of humoral immunity by 6-hydroxydopamine, 145
Newcastle disease virus:
and the interleukin system, 373
Non-precipitating antibody:
structure, 311

OKT3:
lymphocyte activation by, 195
Ontogenic development of human spleen white pulp, 61
Oral tolerance:
to ovalbumin, in mice, 627

Paratracheal lymph node:
antibody-forming cells, after intratracheal priming, 405
Persisting cell stimulating factor (PSF):
production and release during graft-versus-host reactions, 553
Proteinases inhibitor:
produced by T lymphocytes, 85

Recombinant human IL-2:
development and maintenance of bovine cytotoxic lymphocytes, 123

Schistosoma mansoni:
worm antigens, application for serodiagnosis, 587
Schistosomiasis:
T-cell clone reactivity, 567
Sea star, *Asterias rubens*:
production of antibody-like factor, 479
Sperm:
human–mouse monoclonal antibody against, 489
Streptococcal IgG Fc receptors:
interaction with IgG domains, 305
Suppression, feedback:
loss after *in vivo* antigen priming, 539
Suppressor factors:
in mice subjected to UV irradiation and contact sensitization, 207

T-cell antigen:
rat, 527
T-cell antigen recognition, 331
T-cell clones:
allogeneic and *S. mansoni* antigenic stimulation, 567
T-cell lines:
induction of autoimmune uveoretinitis, 559
T-cell subpopulation, human:
functional characterization, 265
Thermoinactivation of human IgE, 617
Thy-1 antigen:
induction on keratinocytes, 451
T lymphocytes:
in intestinal epithelium and lamina propria, 213
production of low molecular weight proteinase inhibitor, 85
T-lymphocyte differentiation:
in sheep, 115
T-lymphocyte membrane protein:
in T-cell function, 533
T-lymphocyte subpopulations:
distribution in rat lungs, 93
Transferrin:
function as an iron donor in promoting lymphocyte proliferation, 105
Trypanosoma congolense infection:
antibody responses in resistant and susceptible mice, 297
IL-1 and IL-2 production in resistant and susceptible mice, 291
T suppression, feedback:
loss after *in vivo* antigen priming, 539
Tumours:
influence on production of lymphokines affecting macrophages, 359

UV irradiation:
alterations in epidermal antigen handling, 225
UV irradiation and circulating suppressor factors, 207

Vaccines:
salmonella, cellular immunity, 431
V_KIIIb light chain sub-subgroup:
isotype expression, 325

White pulp of human spleen:
ontogenic development, 61